

M. Moran

BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING
ERROR REPORT

17

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/472,688A

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Source:

1631

Date Processed by STIC:

11-24-00

TECH CENTER 1800/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

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Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

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Does Not Comply
Corrected Diskette Needed
See pp. 1-4

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/472,688A
Input Set : A:\ES.txt
Output Set: N:\CRF3\11242000\I472688A.raw

4 <110> APPLICANT: Shimkets, Richard A.
5 Leach, Martin D.
7 <120> TITLE OF INVENTION: cSingle Nucleotide Polymorphisms for Known Genes
10 <130> FILE REFERENCE: 15966-534-CIP1
12 <140> CURRENT APPLICATION NUMBER: 09/472,688A
13 <141> CURRENT FILING DATE: 1999-12-27
15 <150> PRIOR APPLICATION NUMBER: 60/109,024
16 <151> PRIOR FILING DATE: 1998-11-17
18 <150> PRIOR APPLICATION NUMBER: 09/443,199
19 <151> PRIOR FILING DATE: 1999-11-16
21 <150> PRIOR APPLICATION NUMBER: 09/442,129
22 <151> PRIOR FILING DATE: 1999-11-16
24 <150> PRIOR APPLICATION NUMBER: 09/442,849
25 <151> PRIOR FILING DATE: 1999-11-17
28 <160> NUMBER OF SEQ ID NOS: 880
30 <170> SOFTWARE: CuraGen Patent Formatter Version 0.9

ERRORRED SEQUENCES

11440 <210> SEQ ID NO: 668
 11441 <211> LENGTH: 14
 11442 <212> TYPE: PRT
 11443 <213> ORGANISM: Homo sapiens
 11445 <220> FEATURE:
 11446 <221> NAME/KEY: VARIANT
 11447 <222> LOCATION: (7)...(0)
 11448 <223> OTHER INFORMATION: cSNP translation
 11450 <400> SEQUENCE: 668
 11451 Cys
 E--> 11452 1
 12856 <210> SEQ ID NO: 769
 12857 <211> LENGTH: 14
 12858 <212> TYPE: PRT
 12859 <213> ORGANISM: Homo sapiens
 12861 <220> FEATURE:
 12862 <221> NAME/KEY: VARIANT
 12863 <222> LOCATION: (7)...(0)
 12864 <223> OTHER INFORMATION: cSNP translation
 12866 <400> SEQUENCE: 769
 12867 Gln Ser Val Val Ser Cys Ala
 E--> 12868 1 5 7
 12954 <210> SEQ ID NO: 776
 12955 <211> LENGTH: 14
 12956 <212> TYPE: PRT
 12957 <213> ORGANISM: Homo sapiens
 12959 <220> FEATURE:

Number of amino acids differ:

→ 14 listed
1 shown

Same error

→ 14 listed
7 shown

Same

→ 14 listed
1 shown

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/472,688A

DATE: 11/24/2000
TIME: 15:33:28

Input Set : A:\ES.txt
Output Set: N:\CRF3\11242000\I472688A.raw

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12960 <221> NAME/KEY: VARIANT
12961 <222> LOCATION: (7)...(0)
12962 <223> OTHER INFORMATION: cSNP translation
12964 <400> SEQUENCE: 776
12965 Glu
E--> 12966 1
13990 <210> SEQ ID NO: 850
13991 <211> LENGTH: 14
13992 <212> TYPE: PRO
13993 <213> ORGANISM: Homo sapiens
13995 <220> FEATURE:
13996 <221> NAME/KEY: VARIANT
13997 <222> LOCATION: (7)...(0)
13998 <223> OTHER INFORMATION: cSNP translation
14000 <400> SEQUENCE: 850
14001 Phe Phe Lys Arg Asn Arg His Thr Pro Gly Arg Arg
E--> 14002 1 5 10 12
14004 <210> SEQ ID NO: 851
14005 <211> LENGTH: 9
14006 <212> TYPE: PRO
14007 <213> ORGANISM: Homo sapiens
14009 <220> FEATURE:
14010 <221> NAME/KEY: VARIANT
14011 <222> LOCATION: (7)...(0)
14012 <223> OTHER INFORMATION: cSNP translation
14014 <400> SEQUENCE: 851
14015 Thr Ile Gln Pro Pro Arg Glu
E--> 14016 1 5 7
14032 <210> SEQ ID NO: 853
14033 <211> LENGTH: 14
14034 <212> TYPE: PRO
14035 <213> ORGANISM: Homo sapiens
14037 <220> FEATURE:
14038 <221> NAME/KEY: VARIANT
14039 <222> LOCATION: (8)...(0)
14040 <223> OTHER INFORMATION: cSNP translation
14042 <400> SEQUENCE: 853
14043 Gly Gly Lys Met Gly Gly Arg Lys Arg Leu Gln Lys
E--> 14044 1 5 10 12
14116 <210> SEQ ID NO: 859
14117 <211> LENGTH: 14
14118 <212> TYPE: PRO
14119 <213> ORGANISM: Homo sapiens
14121 <220> FEATURE:
14122 <221> NAME/KEY: VARIANT
14123 <222> LOCATION: (7)...(0)
14124 <223> OTHER INFORMATION: cSNP translation
14126 <400> SEQUENCE: 859
14127 Thr Asp Phe Phe Phe

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Same
14 listed
12 shown

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TECH CENTER 1600/2900

Same
9 listed
7 shown

14 listed
12 shown

14 listed
6 shown

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/472,688A

DATE: 11/24/2000
TIME: 15:33:28

Input Set : A:\ES.txt
Output Set: N:\CRF3\11242000\I472688A.raw

E--> 14128 1 5
14130 <210> SEQ ID NO: 860
14131 <211> LENGTH: 14
14132 <212> TYPE: PNT
14133 <213> ORGANISM: Homo sapiens
14135 <220> FEATURE:
14136 <221> NAME/KEY: VARIANT
14137 <222> LOCATION: (8)...(0)
14138 <223> OTHER INFORMATION: cSNP translation
14140 <400> SEQUENCE: 860
14141 Gly Ala Gly Ser Val Ser Asp His His Ser Ile Thr Lys

E--> 14142 1 5 10
14144 <210> SEQ ID NO: 866
14145 <211> LENGTH: 14
14146 <212> TYPE: PNT
14147 <213> ORGANISM: Homo sapiens
14149 <220> FEATURE:
14150 <221> NAME/KEY: VARIANT
14151 <222> LOCATION: (7)...(0)
14152 <223> OTHER INFORMATION: cSNP translation
14154 <400> SEQUENCE: 866
14155 Asn Phe Ile Leu Ala Cys Pro Arg

E--> 14156 1 5 8
14157 <210> SEQ ID NO: 867
14158 <211> LENGTH: 14
14159 <212> TYPE: PNT
14160 <213> ORGANISM: Homo sapiens
14162 <220> FEATURE:
14163 <221> NAME/KEY: VARIANT
14164 <222> LOCATION: (7)...(0)
14165 <223> OTHER INFORMATION: cSNP translation
14167 <400> SEQUENCE: 867
14168 Arg Glu Lys Leu Arg Asn Phe His Phe Ser Met Ser Arg

E--> 14169 1 5 10
14170 <210> SEQ ID NO: 869
14171 <211> LENGTH: 14
14172 <212> TYPE: PNT
14173 <213> ORGANISM: Homo sapiens
14175 <220> FEATURE:
14176 <221> NAME/KEY: VARTANT
14177 <222> LOCATION: (7)...(0)
14178 <223> OTHER INFORMATION: cSNP translation
14180 <400> SEQUENCE: 869
14181 Lys Arg Val Ala Gly Gly Leu Arg

E--> 14182 1 5 8
14183 <210> SEQ ID NO: 870
14184 <211> LENGTH: 14
14185 <212> TYPE: PNT
14186 <213> ORGANISM: Homo sapiens

→ 14 listed

13 shown

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→ 14 listed

8 shown

→ 14 listed

13 shown

→ 14 listed

8 shown

→ 14 listed

9 shown

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/472,688A

DATE: 11/24/2000
TIME: 15:33:28

Input Set : A:\ES.txt
Output Set: N:\CRF3\11242000\I472688A.raw

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14275 <220> FEATURE:  

14276 <221> NAME/KEY: VARIANT  

14277 <222> LOCATION: (8)...(0)  

14278 <223> OTHER INFORMATION: cSNP translation  

14280 <400> SEQUENCE: 870  

14281 Gly Lys Arg Val Ala Gly Gly Leu Arg  

E--> 14282 1 5 (9)  

14298 <210> SEQ ID NO: 872  

14299 <211> LENGTH: 14  

14300 <212> TYPE: PRT  

14301 <213> ORGANISM: Homo sapiens  

14303 <220> FEATURE:  

14304 <221> NAME/KEY: VARIANT  

14305 <222> LOCATION: (8)...(0)  

14306 <223> OTHER INFORMATION: cSNP translation  

14308 <400> SEQUENCE: 872  

14309 Gln Arg Ser Ile Ser Ala Asp  

E--> 14310 1 5 (7)  

14410 <210> SEQ ID NO: 880  

14411 <211> LENGTH: 14  

14412 <212> TYPE: PRT  

14413 <213> ORGANISM: Homo sapiens  

14415 <220> FEATURE:  

14416 <221> NAME/KEY: VARIANT  

14417 <222> LOCATION: (7)...(0)  

14418 <223> OTHER INFORMATION: cSNP translation  

14420 <400> SEQUENCE: 880  

14421 Cys Lys Cys Ser Arg Lys Asp Pro Arg Ser Ala Thr Ala Thr  

14422 1 5 10  

E--> 14424 15  

E--> 14433 2

```

→ 14 listed
7 shown

Extraneous numerals at end of
file must be deleted. They are
causing an invalid amino acid
count for sequence # 880.

↙ F.Y.I.

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/472,688A

DATE: 11/24/2000
TIME: 15:33:29

Input Set : A:\ES.txt
Output Set: N:\CRF3\11242000\I472688A.raw

L:47 M:112 C: (48) String data converted to lower case,
L:64 M:112 C: (48) String data converted to lower case,
L:81 M:112 C: (48) String data converted to lower case,
L:98 M:112 C: (48) String data converted to lower case,
L:115 M:112 C: (48) String data converted to lower case,
L:132 M:112 C: (48) String data converted to lower case,
L:149 M:112 C: (48) String data converted to lower case,
L:166 M:112 C: (48) String data converted to lower case,
L:183 M:112 C: (48) String data converted to lower case,
L:200 M:112 C: (48) String data converted to lower case,
L:217 M:112 C: (48) String data converted to lower case,
L:234 M:112 C: (48) String data converted to lower case,
L:251 M:112 C: (48) String data converted to lower case,
L:268 M:112 C: (48) String data converted to lower case,
L:285 M:112 C: (48) String data converted to lower case,
L:302 M:112 C: (48) String data converted to lower case,
L:319 M:112 C: (48) String data converted to lower case,
L:336 M:112 C: (48) String data converted to lower case,
L:353 M:112 C: (48) String data converted to lower case,
L:370 M:112 C: (48) String data converted to lower case,
L:387 M:112 C: (48) String data converted to lower case,
L:404 M:112 C: (48) String data converted to lower case,
L:421 M:112 C: (48) String data converted to lower case,
L:438 M:112 C: (48) String data converted to lower case,
L:455 M:112 C: (48) String data converted to lower case,
L:472 M:112 C: (48) String data converted to lower case,
L:489 M:112 C: (48) String data converted to lower case,
L:506 M:112 C: (48) String data converted to lower case,
L:523 M:112 C: (48) String data converted to lower case,
L:540 M:112 C: (48) String data converted to lower case,
L:557 M:112 C: (48) String data converted to lower case,
L:574 M:112 C: (48) String data converted to lower case,
L:591 M:112 C: (48) String data converted to lower case,
L:608 M:112 C: (48) String data converted to lower case,
L:625 M:112 C: (48) String data converted to lower case,
L:642 M:112 C: (48) String data converted to lower case,
L:659 M:112 C: (48) String data converted to lower case,
L:676 M:112 C: (48) String data converted to lower case,
L:693 M:112 C: (48) String data converted to lower case,
L:710 M:112 C: (48) String data converted to lower case,
L:727 M:112 C: (48) String data converted to lower case,
L:744 M:112 C: (48) String data converted to lower case,
L:761 M:112 C: (48) String data converted to lower case,
L:778 M:112 C: (48) String data converted to lower case,
L:795 M:112 C: (48) String data converted to lower case,
L:812 M:112 C: (48) String data converted to lower case,
L:829 M:112 C: (48) String data converted to lower case,
L:846 M:112 C: (48) String data converted to lower case,

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/472,688A

DATE: 11/24/2000
TIME: 15:33:29

Input Set : A:\ES.txt
Output Set: N:\CRF3\11242000\I472688A.raw

L:863 M:112 C: (48) String data converted to lower case.
L:880 M:112 C: (48) String data converted to lower case,
L:6357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:370
L:6959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:404
L:11452 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Found:1 SEQ:668
L:12868 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Found:7 SEQ:769
L:12966 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Found:1 SEQ:776
L:13805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:836
L:14002 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Found:12 SEQ:850
L:14016 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:7 SEQ:851
L:14044 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Found:12 SEQ:853
L:14128 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Found:6 SEQ:859
L:14142 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Found:13 SEQ:860
L:14226 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Found:8 SEQ:866
L:14240 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Found:13 SEQ:867
L:14268 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Found:8 SEQ:869
L:14282 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Found:9 SEQ:870
L:14310 M:252 E: No. of Seq. differs, <211>LENGTH:Input:14 Found:7 SEQ:872
L:14424 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:880
M:332 Repeated in SeqNo=880